•	Application No.	Applicant(s)	-
	10/712,787	ZHU ET AL.	
Notice of Allowability	Examiner	Art Unit	-
•	Ahshik Kim	2876	
	Austik Kiili		-
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in thing or other appropriate communication is subjection in the subjection is subjection in the subjection is subjection in the subjection in the subjection is subjection in the s	s application. If not included ation will be mailed in due course. THIS	;
1. \boxtimes This communication is responsive to <u>amendment filed on</u>	<u>1/20/06</u> .		
2. The allowed claim(s) is/are 69-76.			
3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the:).	
 Certified copies of the priority documents have Certified copies of the priority documents have 		lo.	
Copies of the certified copies of the priority do	• •		
International Bureau (PCT Rule 17.2(a)).		this national stage application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) Including changes required by the Notice of Draftsper	son's Patent Drawing Review (F	PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	-		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MATERI FOR THE DEPOSIT OF BIOLO	AL must be submitted. Note the GICAL MATERIAL.	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	E Nation of Inform	and Datast Application (DTO 152)	
 □ Notice of References Cited (PTO-692) □ Notice of Draftperson's Patent Drawing Review (PTO-948) 	5. ☐ Notice of Inform	nal Patent Application (PTO-152)	
	Paper No./Ma	Date	
 Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date 7105 	08), 7. ☐ Examiner's Am	endment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Sta	tement of Reasons for Allowance	
of Biological Material	9.		
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Amendment

DETAILED ACTION

1. Receipt is acknowledged of the amendment filed on January 20, 2006. In the amendment, claims 57-68 were canceled, and claims 69-76 were newly added. Currently, claims 69-76 remain in the examination. Examiner interprets that "Please cancel Claims 57-68 with prejudice or disclaimer" were meant to "without prejudice or disclaimer."

Allowable Subject Matter

- 2. Claims 69-76 are allowed.
- 3. The following is the Examiner's statement of reasons for allowance: the claims are directed at a hand-supportable digital barcode reader supporting narrow-area and wide-area modes. The reader is comprised of a multimode area-type image formation and detection subsystem allowing a narrow-area image capture mode and wide-area image capture mode. The reader is further comprised of a multi-mode LED-based illumination subsystem further comprising a first LED-based array and a second LED-based array, image capturing and buffering subsystem, a narrow-band optical filter subsystem, a multi-mode image-processing subsystem for processing 1D and 2D bar code and I/O subsystem, and other components. Such system is not disclosed or suggested by the cited references.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

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Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Ahshik Kim* whose telephone number is (571)272-2393. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571)272-2398. The fax number directly to the Examiner is (571)273-2393. The fax phone number for this Group is (703)872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Ahshik Kim Primary Examiner Art Unit 2876 March 27, 2006 Page 3

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